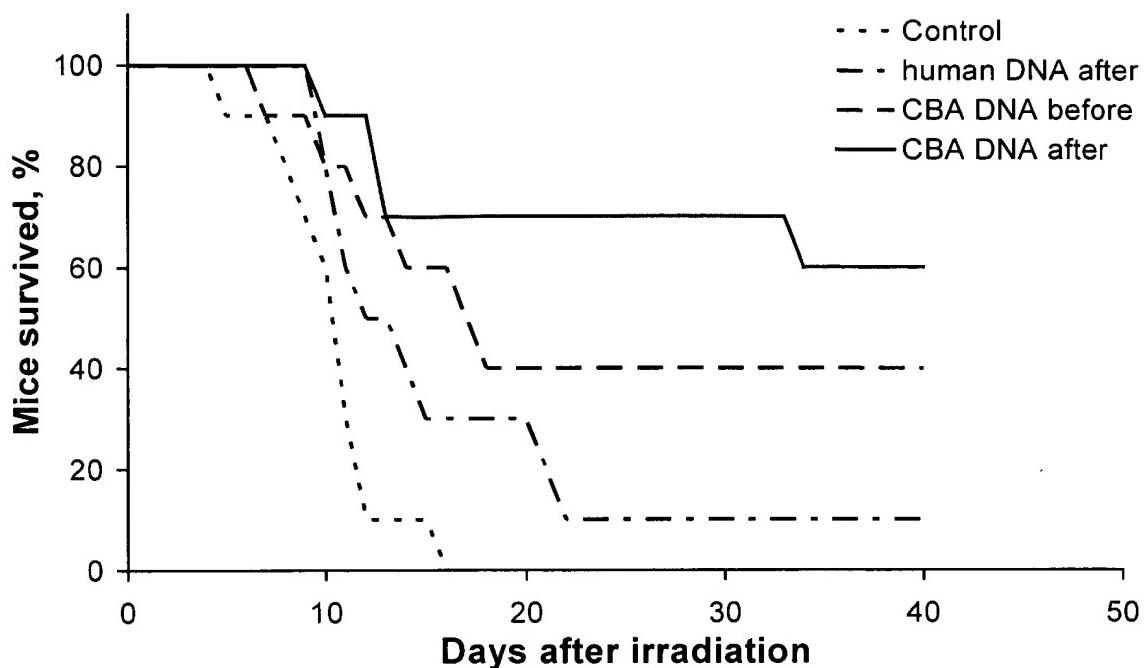


## EXHIBIT 4



**Survival of Mice Irradiated by Lethal Dose of  $\gamma$ -Irradiation After DNA Treatments.** Four groups of 10 four-month old female CBA strain mice were gamma-irradiated simultaneously using  $^{137}\text{Cs}$  irradiator with intensity 1.3 Gy/min with total dose 9.1 Gy equal approximately to  $\text{LD}_{100}$  doses. Different treatments were applied to four groups of mice: 1<sup>st</sup>, control group got placebo, daily i.p. injections of physiologic salt solution starting 30 min post irradiation for 3 days; 2<sup>nd</sup>, daily injections, 1mg for first day, 0.5 mg and 0.5 mg for second and third days, of human DNA starting 30 min post irradiation; 3<sup>rd</sup>, one injection of 1 mg of CBA mice DNA 30 min before the irradiation and 4<sup>th</sup>, daily injections, 1mg for first day, 0.5 mg and 0.5 mg for second and third days murine DNA, starting 30 min post irradiation.



**CBA Mice Treated by Mouse DNA Fragments 130 Days Past Lethal Irradiation.** Female CBA mice were treated with CBA mouse DNA after irradiation: they survived but became grey-haired. The dark-grey CBA male mouse in the center was not irradiated.